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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/654,418

09/05/2003

Hiroshi Yamaguchi

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02/24/2009

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ALEXANDRIA, VA 22314

EXAMINER

WHIPPLE, BRIAN P

ART UNIT

PAPER NUMBER

2452

NOTIFICATION DATE

DELIVERY MODE

02/24/2009

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/654,418	YAMAGUCHI ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	BRIAN P. WHIPPLE	2452	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 06 February 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### DETAILED ACTION

1. Claims 1-11 are pending in this application and presented for examination.

#### ***Continued Examination Under 37 CFR 1.114***

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/6/09 has been entered.

#### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1-11 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1, 3, 5-6, 8-9, and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blewett et al. (Blewett), U.S. Patent No. 7,131,141 B1, in view of Halasz et al. (Halasz), U.S. Patent No. 7,325,246 B1.

6. As to claim 1, Blewett discloses an information processing apparatus having an interface for connection with networks (Abstract), the information processing apparatus comprising:

managing means for managing settings for connectable networks as profiles on a network by network basis (Fig. 1A; Fig. 1C; Col. 6, ln. 62-66);

detecting means for detecting a first connection to a detected network (Fig. 1A; Col. 6, ln. 62-66; Col. 10, ln. 14-22; Col. 11, ln. 18-29);

determination means for determining whether the managing means manages a managed profile corresponding to the detected network when the detecting means has detected the first connection to the detected network (Col. 11, ln. 18-29; the network is managed if it is detected to be a member of the VPN, else is not managed if it from the untrusted network);

establishing means for automatically establishing a second connection to the detected network based on the managed profile if the determination means determines that the

managing means manages the managed profile corresponding to the detected network (Col. 8, ln. 52-55, “automatically translates the destination address and routes the packet to the proper host in the worknet”; Col. 11, ln. 18-32, “rule set assures that only packets from the protected resource network are accepted from the tunnel, and that only packets bound for worknet are accepted from the tunnel”; Col. 11, ln. 53 – Col. 12, ln. 18).

Blewett is silent on said first connection being a state in which said detecting means detects a wireless service when said information processing apparatus is brought into a coverage range of said wireless service; and

wherein said second connection being a state in which said information processing apparatus uses the wireless service of said detected network after authorized via an authorization process.

However, Halasz discloses a first connection being a state in which a detecting means detects a wireless service when an information processing apparatus is brought into a coverage range of said wireless service (Abstract; Fig. 3); and

wherein a second connection being a state in which said information processing apparatus uses the wireless service of said detected network after authorized via an authorization process (Abstract; Fig. 3).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blewett in the aforementioned manner as taught by

Halasz in order to ensure that authorization occurs for the purposes of establishing a trusted relationship in a wireless network (Halasz: Abstract). To not do so would allow untrusted users with potentially nefarious purposes to access the wireless network.

7. As to claim 3, Blewett and Halasz disclose the invention substantially as in parent claim 1, wherein the detecting means detects, as the first connection, a connection to a detected gateway that manages a network (Blewett: Col. 10, ln. 14-22),

wherein the determination means determines whether the managing means manages a profile relating to the detected gateway (Blewett: Col. 10, ln. 14-22; Col. 11, ln. 18-29 and 53-55), and

wherein the establishing means establishes the second connection to the detected gateway in accordance with the managed profile relating to the detected gateway (Blewett: Col. 11, ln. 53 – Col. 12, ln. 18).

8. As to claim 5, Blewett and Halasz disclose the invention substantially as in parent claim 1, wherein using an IP address, the determination means determines whether the managing means manages the managed profile, relating to the detected network detected by the detecting means (Blewett: Col. 11, ln. 18-29 and 53-55).

9. As to claim 6, Blewett and Halasz disclose the invention substantially as in parent claim 1, wherein if the interface of the detected network is one of a wired LAN interface and a wireless LAN interface, the first connection is a connection to a gateway that manages the detected network, and the second connection is a connection to another apparatus through the gateway (Blewett: Fig. 1A; Col. 3, ln. 25-38), and

wherein if the interface of the detected network is a modem, the first connection is a connection to an ISP, and the second connection is a connection to another apparatus through the ISP (Blewett: Col. 3, ln. 17-21 and 38-42).

10. As to claims 8-9 and 11, the claims are rejected for reasons similar to claim 1 above.

11. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Blewett and Halasz as applied to claim 1 above, in view of Ogle et al. (Ogle), U.S. Patent No. 6,052,736.

12. As to claim 2, Blewett and Halasz disclose the invention substantially as in parent claim 1, wherein the detecting means detects the first connection to the detected network (Blewett: Col. 11, ln. 18-29), but is silent on the detecting step occurring by determining whether or not a routing table is modified.

However, Ogle discloses the detecting step occurring by determining whether or not a routing table is modified (Col. 6, ln. 11-42).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blewett and Halasz by determining whether or not a routing table is modified as taught by Ogle in order to reduce the overhead associated with creating and maintaining a routing table (Ogle: Col. 5, ln. 37-50).

13. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Blewett and Halasz as applied to claim 1 above, in view of Beck, U.S. Patent No. 6,671,273 B1.

14. As to claim 4, Blewett and Halasz disclose the invention substantially as in parent claim 1, wherein the detecting means detects the first connection to the detected network (Blewett: Col. 11, ln. 18-29), and determining whether the managing means manages the profile relating to the detected network detected by the detecting means (Col. 11, ln. 18-29).

Blewett and Halasz are silent on counter means for counting up by one when the detecting means detects the first connection to the detected network, and

zero determination means that determines whether a subtracting of one from the count of the counter means makes zero when the detecting means detects the first connection to the detected network,



wherein the zero determination means determines whether the managing means manages the managed profile relating to the detected network detected by the detecting means when the zero determination means determines that subtracting of one from the counter of the counter means makes zero,

wherein the establishing means establishes the second connection to the detected network in accordance with the managed profile relating to the detected network while the zero determination means determines that the subtracting of one from the count of the counter means makes zero.

However, Beck discloses counter means for counting up by one when the detecting means detects the first connection to the detected network (Fig. 4; Col. 5, ln. 27-30 and 43-48), and

zero determination means that determines whether a subtracting of one from the count of the counter means makes zero when the detecting means detects the first connection to the detected network (Col. 6, ln. 52-61),

wherein the zero determination means determines whether the managing means manages the managed profile relating to the detected network detected by the detecting means when the zero determination means determines that subtracting of one from the counter of the counter means makes zero (Col. 6, ln. 52-61),

wherein the establishing means establishes the second connection to the detected network in accordance with the managed profile relating to the detected network while the zero determination means determines that the subtracting of one from the count of the counter means makes zero (Col. 6, ln. 52-64).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blewett and Halasz by examining a counter to determine if registration (i.e. management) of a connection needs to occur as taught by Beck in order to minimize the overhead operations associated with registering (i.e. managing) connections (Beck: Col. 2, ln. 46-52).

15. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Blewett and Halasz as applied to claim 1 above, in view of Winkler, U.S. Publication No. 2003/0070100 A1.

16. As to claim 7, Blewett and Halasz disclose the invention substantially as in parent claim 1, wherein a second connection to the network is established by the establishing means (Blewett: Col. 11, ln. 53 – Col. 12, ln. 18), but are silent on starter means which automatically starts a predetermined software application set by a user when the second connection to the network is established by the establishing means.

However, Winkler discloses starter means which automatically starts a predetermined software application set by a user when the second connection to the network is established by the establishing means ([0012]).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blewett and Halasz by automatically starting a predetermined software application set by a user when a connection to the network is established as taught by Winkler in order to authenticate a user and then launch the desired application for the user ([0008]; [0012]).

17. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Blewett and Halasz as applied to claim 3 above, in view of Koyanagi et al. (Koyanagi), U.S. Publication No. 2001/0013067 A1.

18. As to claim 10, Blewett and Halasz disclose the invention substantially as in parent claim 3, wherein said detecting means detects, as said first connection, plural connections to plural gateways (Blewett: Fig. 1A), and said establishing means automatically establishes said second connection to the gateway of the managed profile (Blewett: Col. 8, ln. 52-55, “automatically translates the destination address and routes the packet to the proper host in the worknet”; Col. 11, ln. 18-32, “rule set assures that only packets from the protected

resource network are accepted from the tunnel, and that only packets bound for worknet are accepted from the tunnel”; Col. 11, ln. 53 – Col. 12, ln. 18).

Blewett and Halasz are silent on establishing a connection to a gateway which has a lowest value of a metric.

However, Koyanagi discloses establishing a connection to a gateway which has a lowest value of a metric (Abstract; [0056]).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blewett and Halasz by establishing a connection to a gateway which has a lowest value of a metric as taught by Koyanagi in order select an appropriate network for data transmission based on either a lowest data transmission time or a lowest data transmission fee (Koyanagi: [0056]).

### ***Conclusion***

19. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See the Notice of References Cited (PTO-892).

20. Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRIAN P. WHIPPLE whose telephone number is (571)270-1244. The examiner can normally be reached on Mon-Fri (9:30 AM to 6:00 PM EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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2/14/09

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